

MATERIAL SAFETY DATA SHEET
DALCO INDUSTRIES 170 W.Providencia Burbank, Ca.91503 (818)242-4433

SECTION I PRODUCT IDENTIFICATION

Product Name SLE-3012-B HARDENER
Chemical Family Polyamide/Polyamine

SECTION II HAZARDOUS INGREDIENTS

Component	Percent	PEL	TLV
Polyamide Resin (CAS# 68410-23-1)	25-40		
Nonylphenol (CAS# 25154-52-3)	5-10		
Triethylenetetramine* (CAS# 112-24-3)	5-10		

* low toxicity adducted form

SECTION III PHYSICAL DATA

Appearance	paste
Color	white
Odor	ammonia
Boiling point	530 F
Vapor pressure	<1 mm Hg
Specific gravity	1.32
Bulk density	11.0
Solubility	10-20 %
Percent volatile	nil

SECTION IV FIRE AND EXPLOSION DATA

Flash Point >310 F, Pensky-Martens closed cup
Extinguishing media CO2, dry chemicals, foam, water spray
Special fire fighting procedures
Use self-contained breathing apparatus
Unusual fire or explosion hazards
Decomposition and combustion products may be toxic.

SECTION V HEALTH EFFECTS DATA

Animal toxicity	
Oral, LD50 (ingestion)	>10 g/kg (rat)
Dermal, LD50 (skin contact)	6.5 g/kg (rabbit)
Inhalation, LC50	not determined
Skin effects	8.0/8.0, extremely irritating
Eye effects	57/110, extremely irritating
Other	

Human effects

Of overexposure

Extremely irritating to eyes and skin, sensitization, may cause irritation of upper respiratory tract.

Route of entry skin, eyes

Threshold limit value not determined

SLE-3012-B

SECTION VI EMERGENCY AND FIRST AID PROCEDURES

Eye contact

Immediately flush eyes with water for 15 minutes. Get immediate medical attention.

Skin contact

Wash with soap and water immediately. Remove contaminated clothing and wash before reuse.

Inhalation

Remove to fresh air. Give oxygen if breathing is difficult.

Ingestion

If conscious, give large quantities of water or milk. Induce vomiting. Call a physician.

SECTION VII EMPLOYEE PROTECTION RECOMMENDATIONS

Eye protection

Wear splash-proof chemical goggles.

Skin protection

Wear impervious gloves.

Ventilation and respiratory protection

Good general mechanical ventilation and local exhaust.

Other

Provide eye wash bath and safety shower near work area.

SLE-3012-B

SECTION VIII REACTIVITY DATA

Stability Stable
Polymerization Will not occur
Conditions to avoid
None

Incompatibility (Materials to avoid)
Strong oxidizing agents, acids

Hazardous decomposition products
CO2, CO, nitrogen oxides

SECTION IX SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled
Absorb onto sand or other absorbent material. Shovel into
closeable container for disposal. Flush contaminated area with
water.

Waste disposal method

Landfill or incinerate in accordance with federal, state, or
local regulations.

SECTION X SPECIAL PRECAUTIONS AND STORAGE DATA

Storage temperature(min/max) 60 F/90 F
Average shelf life 12 months @ 77 F (25 C)
Special sensitivity (heat/light/moisture)
None

Precautions to be taken in handling and storing
Handle as to avoid any physical contact.

MATERIAL SAFETY DATA SHEET
DALCO INDUSTRIES 170 W.Providencia Burbank,Ca.91503 (818)242-4433

SLE-3012-B

SECTION XI SHIPPING DATA

DOT shipping name	Corrosive liquids, N.O.S.
Technical shipping name	Triethylene tetramine solution
DOT hazard classification	Corrosive liquids
UN/NA number	UN1760
IATA classification	Corrosive liquids
DOT labels required	Corrosive liquids

11-19-85

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of FIBER-RESIN CORP.. The data on this sheet relates only to the specific material designated herein. FIBER-RESIN CORP. assumes no legal responsibility for use or reliance upon these data.